WHAT IS CLAIMED IS:

1	1. A method of transmitting video information comprising:
2	(a) obtaining a first video frame containing image data;
3	(b) obtaining structural information inherent in said image data;
4	(c) obtaining a second video frame to be encoded relative to said first
5	video frame;
6	(d) computing kinetic information for describing said second video frame
7	in terms of said structural information of said first video frame; and
8	(e) transmitting said kinetic information to a decoder for use in
9	reconstructing said second video frame based on said decoder's generation of said
10	structural information of said first video frame.
1	2. A method of transmitting video information comprising:
2	(a) obtaining a first video frame containing image data;
3	(b) obtaining structural information inherent in said image data.
4	(c) obtaining a second video frame to be encoded relative to said first
5	video frame;
6	(d) encoding second video frame using adaptive coding dependent on said
7	structural information; and
8	(e) transmitting the encoded second video frame to a decoder.
1	3. A method of receiving video information comprising:
2	(a) receiving an encoded first video frame;
3	(b) reconstructing the first video frame from said encoded first video
4	frame;
5	(c) obtaining structural information inherent in said image data;
6	(d) receiving kinetic information describing a second video frame in term
7	of said structural information of said first video frame; and
8	(e) reconstructing said second video frame.
1	4. A video codec comprising an encoder and a decoder, said encoder
2	configured to:
3	obtain a first video frame containing image data;
4	segment said first video frame to obtain structural information inherent in
5	said image data;

6	obtain a second video frame to be encoded relative to said first video
7	frame;
8	compute kinetic information for describing said second video frame in
9	terms of said structural information of said first video frame; and
10	transmit said kinetic information to a decoder for use in reconstructing said
11	second video frame based on said decoder's generation of said structural information of
12	said first video frame; and
13	said decoder configured to:
14	receive said encoded first video frame;
15	reconstruct said first video frame from said encoded first video frame;
16	segment said first video frame to obtain said structural information;
17	receive said kinetic information; and
18	reconstruct said second video frame by combining said kinetic information
19	with said structural information.
1	5. An encoder comprising:
2	(a) a first module configured to receive a first video frame;
3	(b) a second module configured to encode said first video frame;
4	(c) a third module configured to decode said first video frame;
5	(d) a fourth module configured to determine the structural characteristics
6	of said first video frame;
7	(e) a fifth module configured to order said structural characteristics of said
8	first video frame;
9	(f) a sixth module configured to obtain a second video frame;
10	(g) a seventh module configured to code a difference between said
11	structural characteristics of said first video frame and the structural characteristics of said
12	second video frame; and
13	(h) an eighth module configured to transmit said difference.
1	6. A decoder comprising:
2	(a) a first module configured to receive a first video frame;
3	(b) a second module configured to decode said first video frame;
4	(c) a third module configured to determine the structural characteristics of
5	said first video frame:

6	(d) a fourth module configured to order said structural characteristics of
7	said first video frame;
8	(e) a fifth module for receiving a difference between said structural
9	characteristics of said first video frame and the structural characteristics of a second video
10	frame; and
11	(f) a module for decoding the difference.
1	7. An apparatus for synchronized encoding and decoding of video
2	information comprising:
3	(a) an encoder configured to obtain a first video frame, encode said first
4	video frame, decode said first video frame, and obtain structural information for said first
5	video frame; and
6	(b) a decoder configured to obtain said first video frame, decode said first
7	video frame, and obtain structural information for said first video frame.
1	8. A signal embodied in a carrier wave comprising kinetic information
2	describing a second video frame in terms of the structural information of a first video
3	frame.
1	9. A signal embodied in a carrier wave comprising coefficients derived
2	from a set of basis functions describing a second video frame in terms of the structural
3	information of a first video frame.